At the Lifecycle Building Center, we believe that we have the ability to *Reclaim for our Future* by reusing existing building materials and through deconstruction as an alternative to demolition.

WHAT IS DECONSTRUCTION

Deconstruction is the process of dismantling structures or building components in a way that enables building materials to be reused.

Harvesting of building materials gives communities the opportunity to reclaim economic, social, and environmental benefits from existing structures.

Virtually every step of construction–extraction, refining, transportation, and fabrication–creates CO2 emission. Recliamed materials require far less energy!

25%

of materials can be reused in a typical home deconstruction. (1)

70%

of materials can be recycled in a typical home deconstruction.

2_m

pounds of waste is generated in a typical 13,300 sqft commercial demolition project. (3)

3.3b

tons of material debris will be generated over the next 50 years. (4) 164m

tons of construction and demolition material are generated every year. (5) 60%

of the 164m tons of construction and demolition material is sent to a landfill. (6)

· Less waste sent to landfills Reduced toxic dust from job site Reduced heavy metal leaching into soil Potential for local reclaimed materials to be used to restore and preserve Reduced energy historic consumption and structures. greenhouse gas Reveal the history emissions associated of the materials. with extracting, For example: producing and 100,000 bricks a transporting new AREAS OF IMPACT USING day were made materials by forced and DECONSTRUCTION AND RECLAIMED MATERIALS used to build Atlanta. · Jobs created by Potential deconstructing workforce existing buildings development and the

• Potential workforce development partnerships

of these materials
through reuse
businesses

Jobs for hard-toemploy

More affordable building
materials available for
community

 Jobs and revenue generated by converting salvaged material into value-added products that can be sold (furniture and decor items)

redeployment

- Potential for workforce training and contractor training
- 1 job in demolition is equivalent to 6 jobs in deconstruction

Less
 expensive,
 previously used
 building materials can improve
 housing performance and livability
 for local resident

By reusing materials and leveraging deconstruction, we are able to impact multiple areas and advance to a climate-safe and socially-just economy. Our vision is to materialize a Deconstruction Ecosystem in Atlanta.

SOURCES: (2-6) OSWER Innovation Project Success Story; DECONSTRUCTION thttps://www.epa.gov/sites/default/files/2016:03/documents/innovation_project_success_story_deconstruct.p